



2851
17th

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Docket No: Q95376

Masato TSUKADA

Appln. No.: 10/582,542

Group Art Unit: 2851

Confirmation No.: 4754

Examiner: Not yet assigned

Filed: June 9, 2006

For: PROJECTOR COLOR CORRECTING METHOD

SUBMISSION OF INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

For the Examiner's convenience, enclosed herewith is a copy of the English translation of the International Preliminary Report on Patentability (IPRP). It is assumed that copies of the cited references as required by §371(c) will be supplied directly by the International Bureau, but if further copies are needed, the undersigned will undertake to provide them upon request.

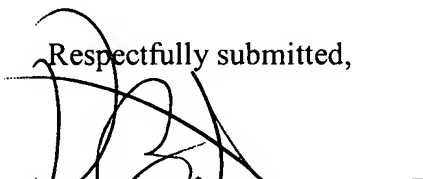
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WASHINGTON OFFICE

23373

CUSTOMER NUMBER

Respectfully submitted,


Howard L. Bernstein
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Date: November 9, 2006

From the INTERNATIONAL BUREAU

PCT

NOTIFICATION OF TRANSMITTAL
OF COPIES OF TRANSLATION
OF THE INTERNATIONAL PRELIMINARY REPORT
ON PATENTABILITY
(CHAPTER I OR CHAPTER II
OF THE PATENT COOPERATION TREATY)
(PCT Rules 44bis.3(c) and 72.2)

To:

MIYAZAKI, Tetuo
8th Floor, 16th Towa Bldg.
9-20, Akasaka 1-chome
Minato-ku, Tokyo 106-0004
JAPON

Date of mailing (day/month/year)
08 September 2006 (08.09.2006)

Applicant's or agent's file reference
NEC04P261A

IMPORTANT NOTIFICATION

International application No.
PCT/JP2004/017287

International filing date (day/month/year)
19 November 2004 (19.11.2004)

Applicant

NEC CORPORATION et al

1. Transmittal of the translation to the applicant.

The International Bureau transmits herewith a copy of the English translation of the international preliminary report on patentability (Chapter I).



The International Bureau transmits herewith a copy of the English translation of the international preliminary report on patentability (Chapter II).

2. Transmittal of the copy of the translation to the designated or elected Offices.

The International Bureau notifies the applicant that copies of that translation have been transmitted to the following designated or elected Offices requiring such translation:

EP, KR

The following designated or elected Offices, having waived the requirement for such a transmittal at this time, will receive copies of that translation from the International Bureau only upon their request:

AE, AG, AL, AM, AP, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EA, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OA, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW

3. Reminder regarding translation into (one of) the official language(s) of the elected Office(s).

The applicant is reminded that, where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary report on patentability (Chapter II).

It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned within the applicable time limit (Rule 74.1). See Volume II of the PCT Applicant's Guide for further details.



The International Bureau of WIPO
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TRANSLATION

PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY
(Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference NEC04P261A	FOR FURTHER ACTION	See Form PCT/IPEA/416
International application No. PCT/JP2004/017287	International filing date (day/month/year) 19.11.2004	Priority date (day/month/year) 10.12.2003
International Patent Classification (IPC) or national classification and IPC H04N9/64, G06T1/00, G09G3/20, H04N1/46, 1/60, 9/31		
Applicant NEC CORPORATION		

1. This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36.
2. This REPORT consists of a total of <u>4</u> sheets, including this cover sheet.
3. This report is also accompanied by ANNEXES, comprising: a. <input type="checkbox"/> (sent to the applicant and to the International Bureau) a total of _____ sheets, as follows: <input type="checkbox"/> sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions). <input type="checkbox"/> sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box. b. <input type="checkbox"/> (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) _____ containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).

4. This report contains indications relating to the following items: <input checked="" type="checkbox"/> Box No. I Basis of the report <input type="checkbox"/> Box No. II Priority <input type="checkbox"/> Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability <input type="checkbox"/> Box No. IV Lack of unity of invention <input checked="" type="checkbox"/> Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability: citations and explanations supporting such statement <input type="checkbox"/> Box No. VI Certain documents cited <input type="checkbox"/> Box No. VII Certain defects in the international application <input type="checkbox"/> Box No. VIII Certain observations on the international application
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Date of submission of the demand	Date of completion of this report
Name and mailing address of the IPEA/JP	Authorized officer
Facsimile No.	Telephone No.

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP2004/017287

Box No. I

Basis of the report

1. With regard to the language, this report is based on the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ This report is based on translations from the original language into the following language _____ which is the language of a translation furnished for the purposes of:

- ☐ international search (Rule 12.3 and 23.1(b))
☐ publication of the international application (Rule 12.4)
☐ international preliminary examination (Rule 55.2 and/or 55.3)

2. With regard to the elements of the international application, this report is based on *(replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report)*:

☒ the international application as originally filed/furnished

☐ the description:

pages _____ as originally filed/furnished

pages* _____ received by this Authority on _____

pages* _____ received by this Authority on _____

☐ the claims:

nos. _____ as originally filed/furnished

nos.* _____ as amended (together with any statement) under Article 19

nos.* _____ received by this Authority on _____

nos.* _____ received by this Authority on _____

☐ the drawings:

sheets _____ as originally filed/furnished

sheets* _____ received by this Authority on _____

sheets* _____ received by this Authority on _____

☐ a sequence listing and/or any related table(s) – see Supplemental Box Relating to Sequence Listing.

3. ☐ The amendments have resulted in the cancellation of:

☐ the description, pages _____

☐ the claims, nos. _____

☐ the drawings, sheets/figs _____

☐ the sequence listing (*specify*): _____

☐ any table(s) related to sequence listing (*specify*): _____

4. ☐ This report has been established as if (some of) the amendments annexed to this report and listed below had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).

☐ the description, pages _____

☐ the claims, nos. _____

☐ the drawings, sheets/figs _____

☐ the sequence listing (*specify*): _____

☐ any table(s) related to sequence listing (*specify*): _____

* If item 4 applies, some or all of those sheets may be marked "superseded."

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP2004/017287

Box No. V

Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;
citations and explanations supporting such statement

1. Statement

Novelty (N)

Claims 1-24

YES

Claims

NO

Inventive step (IS)

Claims

YES

Claims 1-24

NO

Industrial applicability (IA)

Claims 1-24

YES

Claims

NO

2. Citations and explanations (Rule 70.7)

Document 1: JP 2001-320725/A (Seiko Epson Corp.), 16
November 2001, entire text and fig. 4 & WO
2001/86620 A & US 2003/11563 A1

Document 2: JP 2001-54131/A (Olympus Optical Co., Ltd.),
23 February 2001, paragraphs [0081] to
[0091] and fig. 9 & EP 1058158 A

Document 3: JP 2003-219324/A (Olympus Optical Co., Ltd.),
31 July 2003, paragraphs [0014] and [0050]
to [0057], and fig. 5 to 7 & US 2003/142883
A1

Document 4: JP 2002-204374/A (Seiko Epson Corp.), 19 July
2002, entire text, all drawings & EP 1202560
A & US 2002/97907 A1

In the written response, the applicant asserts that the invention set forth in the present application is intended to reconcile the appearances of the colors in a projected image by cancelling out the irregularities and/or the patterns that appear within the projected image as a result of uneven ambient lighting or the presence of a pattern on the projection surface. However, the disclosures pertaining to the invention set forth in claim 1 of the present application cannot be considered.

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/JP2004/017287

Box No. V

Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability;
citations and explanations supporting such statement

to reflect the indicated purpose, and thus the abovementioned assertion does not apply to the invention set forth in claim 1.

Such being the case, the inventions set forth in claims 1 to 3, 8 to 10, 15 to 19 and 24 do not involve an inventive step in the light of document 1 and document 2 cited in the international search report. That is to say, it would have been easy for a person skilled in the art to conceive of applying the technical feature disclosed in document 2, wherein each picture element is subjected to a process for correcting color irregularities, in the color correction method disclosed in document 1, which comprises a step wherein the color correction coefficients for an image that is projected upon a projection surface are generated from pre-set first color information and second color information that is obtained from the image projected on the projection surface and a step wherein the colors of the projected image are corrected using said color correction coefficients.

In addition, the inventions set forth in claims 4 to 7, 11 to 14 and 20 to 23 do not involve an inventive step in the light of document 1, document 2 and document 3 cited in the international search report. It would have been easy for a person skilled in the art to conceive of applying the technical feature disclosed in document 3, wherein the input image is corrected using the associations between the pattern images and the pattern-captured images, in the device disclosed in document 1.